

L3 ANSWER 1 OF 33 CA COPYRIGHT 2003 ACS
 AN 136:171600 CA
 TI **Porous silicate** granule as lightweight aggregate and
 its production
 IN Schelinski, Siegfried
 PA Matting & Lindner G.m.b.H., Germany
 SO Eur. Pat. Appl., 5 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 IC ICM C04B014-24
 ICS C04B038-00
 CC 58-3 (Cement, Concrete, and Related Building Materials)
 Section cross-reference(s): 57

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1180503	A2	20020220	EP 2001-250284	20010727
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 10042071	C1	20020321	DE 2000-10042071	20000816
	DE 20022776	U1	20020502	DE 2000-20022776	20000816
	US 2002073898	A1	20020620	US 2001-931126	20010816
PRAI	DE 2000-10042071	A	20000816		

AB A **porous silicate** granule is suitable as aggregate for
 the manuf. of building materials such as lightwt. **concrete**,
mortar, or heat-insulating **plaster**. The granule
 contains glass, and a glass-type, cryst. material 5-75 wt.%, which
 consists of: SiO₂ 45-85, alkali oxide 5-20, alk. earth oxides 5-30, and
 oxide selected from Al₂O₃, and/or Fe₂O₃ 2-30 wt.%. The glass-type, cryst.
 material is the sintered product of powd. quartz, clay, portland
cement, sodium hydroxide, an expanding agent, and optionally
 further additives. The silicate granule is produced by mixing,
 agglomeration, intermediate storage, drying, heat-treatment at
 700.degree.-1250.degree. by CO₂ supply, or CO₂ exclusion, furthermore
 sintering, and swelling.

ST silicate granule sintering lightwt aggregates **concrete**; glass
 granule silica alumina swelling **plaster**

IT Powders
 (ceramic; **porous silicate** granule

=> d his

(FILE 'HOME' ENTERED AT 12:48:43 ON 16 JUN 2003)

FILE 'CA' ENTERED AT 12:48:50 ON 16 JUN 2003

L1 0 S POROUS NEAR SILICATE
L2 294 S POROUS(W) SILICATE
L3 33 S L2 AND (CEMENT OR CONCRETE OR MORTAR OR PLASTER)

=>